

**Claims**

1. A method of communicating information associated with provisioning of a service in a communication system, the method comprising:

5 storing in storage means information about possible associations between an identifier of a mobile user equipment and user plane addresses;

receiving at a service provisioning entity a request for the service from a client connected to the communication system, said request including the identifier of the mobile user equipment;

10 verifying if a user plane address can be found from the storage means based on the identifier; and

if such a user plane address is found from the storage means, communicating data associated with provisioning of the requested service to the mobile user equipment over a user plane connection associated with said address found from the storage means; and

15 if no user plane address can be found from the storage means based on the identifier, establishing a new user plane connection and communicating data associated with provisioning of the requested service to the mobile user equipment over said established user plane connection.

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2. A method as claimed in claim 1, wherein the requested service comprises a location information service and said data communicated on the user plane associates with provisioning of information regarding the geographical location of the mobile user equipment.

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3. A method as claimed in claim 2, wherein said data communicated on the user plane comprises assistance data for use in location determinations by the mobile user equipment.

30 4. A method as claimed in claim 3, wherein said data communicated on the user plane comprises Global Positioning System (GPS) assistance data.

5. A method as claimed in any preceding claim, wherein the user plane communication occurs by means of an Internet Protocol (IP) session and the user plane address comprises an Internet Protocol (IP) address for the mobile user equipment.

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6. A method as claimed in any preceding claim, wherein the identifier comprises a Mobile Subscriber Integrated Services Digital Network (MSISDN) number of the mobile user equipment.

10 7. A method as claimed in any of claims 1 to 5, wherein the identifier comprises a name that associates with the mobile user equipment.

8. A method as claimed in any preceding claim, comprising authentication of the client.

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9. A method as claimed in claim 8, wherein the authentication is accomplished by means of a Remote Authentication Dial-In User Service (RADIUS) server.

10. A method as claimed in any preceding claim, wherein user plane address is  
20 fetched from the storage means by an access server.

11. A method as claimed in claim 10, wherein the access server comprises a gateway server entity.

25 12. An arrangement in a communication system for provision of a service in response to a request from a client, the provisioning of the service requiring communication of data to and/or from a mobile user equipment, the arrangement comprising:

30 a service provisioning entity for receiving a service request from the client, the request identifying the mobile user equipment by means of an identifier;

storage means for maintaining information regarding possible associations between the identifier of the mobile user equipment and user plane addresses that can be used for user plane data transmissions in said communication system,

wherein the storage is arranged to verify if a user plane address for communication of data can be found from the storage means based on the identifier, and,

if such a user plane address is found from the storage means, data associated with provisioning of the requested service to the mobile user equipment  
5 is communicated over a user plane connection associated with said address found from the storage means, and

if no user plane address can be found from the storage means based on the identifier, a new user plane connection is established and data associated with provisioning of the requested service to the mobile user equipment is  
10 communicated over said established user plane connection.

13. An arrangement as claimed in claim 12, wherein the requested service comprises a location information service and said data to be communicated on the user plane associates with provisioning of information regarding the geographical  
15 location of the mobile user equipment.

14. An arrangement as claimed in claim 13, wherein said data to be communicated on the user plane comprises assistance data for use in location determinations by the mobile user equipment.  
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15. An arrangement as claimed in claim 14, wherein said data to be communicated on the user plane comprises Global Positioning System (GPS) assistance data.

25 16. An arrangement as claimed in any of claims 12 to 15, wherein the user plane communication is arranged to be provided by means of an Internet Protocol (IP) session and the user plane address comprises an Internet Protocol (IP) address for the mobile user equipment.

30 17. An arrangement as claimed in any of claims 12 to 16, wherein the identifier comprises a Mobile Subscriber Integrated Services Digital Network (MSISDN) number of the mobile user equipment.

18. An arrangement as claimed in any of claims 12 to 16, wherein the identifier comprises a name that associates with the mobile user equipment.